

SYSTEM INTEGRATOR SUMMIT

HOW CAN **WE** HELP YOU
ELEVATE & GROW...

HOSTED BY:

CRAIGCOR
DISTRIBUTION

&



**Rockwell
Automation**

ENTER A NEW WORLD WITH US

CONTACT US

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DISTRIBUTION



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Gauteng, South Africa



www.craigcor.com

WE ARE PROUD DISTRIBUTORS FOR:



Value-Add
Distributor

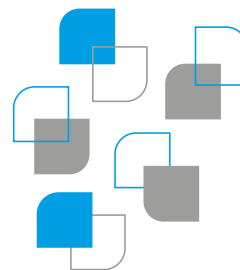
A ROCKWELL AUTOMATION PARTNER



We supply Countrywide. Our main Distribution Center is located in Midrand. Walk-in customers welcome at our Midrand branch.

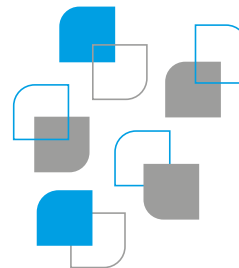


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WHO IS CRAIGCOR? DISTRIBUTION



CraigCor Distribution is your trusted distributor of industrial automation, control, and instrumentation equipment, authentication solutions, and utility metering products in South Africa.



We partner with leading technology brands from around the world to provide our clients with **complete automation solutions**. With a presence in Johannesburg, Cape Town, Rustenburg, and Windhoek, we've served industries for over 25 years, building a reputation for excellence.



PRODUCT OFFERING

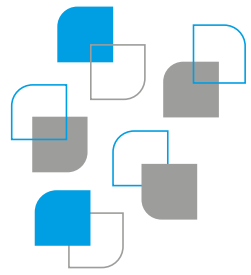
PRODUCT KNOWLEDGE

SERVICE AND SUPPORT

STOCK HOLDING



A WORD FROM OUR MD



Some of you may not know this, but CraigCor found its roots as a System Integrator **25 years** ago and started specialising in pure distribution for Rockwell Automation approximately 13 years ago. Our founding members knew what SI's expect from component suppliers, and this set the tone for the CraigCor ethos on how we interact, work with, and serve our valued business partners.

We have weathered some difficult times in the last few years that affected all of us in ways we never imagined. The good news is that there is light at the end of the tunnel and also some very interesting and exciting technologies available from Rockwell Automation.



We are truly fortunate to be associated with a world leader when it comes to Industrial Automation & Information Solutions, who innovates and invests in products and offerings that address their customers' ever-changing needs. No doubt, you've heard our customers talk about digitalisation, smart devices, and the internet of things.

Today we are well positioned to partner with our customers on their digitalisation journeys with the products and capabilities available from Rockwell Automation, not just to deliver a connected enterprise but also to unlock value, including integrating and analysing data.

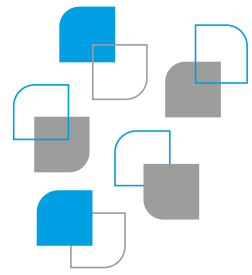
Our customers are also under increasing pressure to streamline operations, reduce costs, and be less wasteful - although not commonplace in Africa just yet, sustainability is globally becoming a significant key point for companies. We can also help support our customers' environmental sustainability goals through various available programs – not only do they support the green initiative but also result in savings. As a value-added distributor in the Rockwell Automation partner network, we are proud to let you know we are creating capacity and capabilities that will support you in all these exciting new revenue streams, living up to our **4-point promise** – Sufficient stock, wide product portfolio, expert technical skills and providing an unforgettable customer experience.

One critically important element in our 4-point promise, and I am sure we will agree on this, is stock availability – here we have invested significantly in ramping up our stock-holding of components our SI community typically consumes. You will have noticed better delivery performance in the last number of weeks as well as catching up on very old orders.

We, together with Rockwell, anticipate this to only get better as we move forward into the new calendar year, bar a few exceptions where supply chain constraints are still hampering manufacture. I urge you to engage with us early in your project delivery cycles so that we can find critical path items and plan how we navigate difficult and long deliveries - I cannot emphasise enough the value and importance of open communication.

As our stock position continuously improves and we have access to new and customer – relevant technologies, we are very excited to partner with you in exploring how you can deliver extra value to your customers. **Your success is our success.**

WERNER VAN VUUREN
MANAGING DIRECTOR



SI PROGRAM



Rockwell Automation values System Integrators for their role in realising **The Connected Enterprise™**.

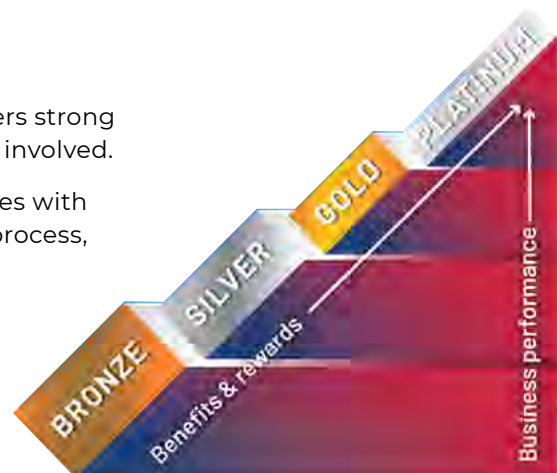
Our PartnerNetwork™ collaborates with highly qualified System Integrator Partners committed to enhancing customer value globally through our extensive product and service portfolio.



The **System Integrator Program** nurtures long-term success, offering recognition, rewards, best-in-class resources, and access to top technology and engineering experts. This results in industry-leading digital transformation solutions for an exceptional customer experience.

PROGRAM BENEFITS:

- Sales Success:** Our System Integrator program fosters strong business relationships, driving growth for all parties involved.
- Differentiated Capabilities:** We align your capabilities with our technology expertise in core areas like control, process, power, and information software.
- Empowerment and Support:** Access specialised training, resources, and local opportunities to stay ahead in a changing landscape.
- Tiered Program:** Our program has four tiers, rewarding success and competency growth.

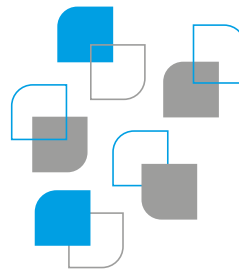


PROGRAM DISCIPLINES AND CAPABILITIES:

CONTROL	INFORMATION	POWER	PROCESS
- Control ¹ - Digital Engineering ^{2,6} - General Motion ^{1,6} - Intelligent Conveyance ^{2,4,5,6} - Machine Safety ^{2,3,6} Unified Robotics ^{5,6} - Visualization ^{1,6}	Augmented Reality ² - Edge Analytics - Fix CMMS ^{2,4,5} - IIoT ² - Plex Asset Performance Management ^{2,4} - Plex MES ^{2,4,5} - Plex Production Monitoring ^{2,4} - Plex QMS ^{2,4,5}	- CUBIC Modular Assemblies ^{2,4,6} - Low Voltage Drives ^{1,6} - Low Voltage Drive Systems - Low Voltage MCCs ^{2,4,6} - Medium Voltage Drives and MCCs ^{2,4}	- Batch ⁶ - PlatPAX® ^{2,6}



Contact CraigCor to become part of this network and leverage Rockwell's global reputation for success.



INTELLIGENT DEVICES (ITD)



Intelligent devices like Allen Bradley™ by Rockwell Automation's drives and I/O modules are vital in system integration, serving as the **core hardware for industrial automation**.

They connect, control, and interface with sensors and actuators, ensuring realtime precision, compatibility with various protocols, safety, and data collection.

These devices are customisable, offer remote access for diagnostics, and are scalable to meet system needs. The rich vendor ecosystem provides comprehensive support and tools for seamless integration.

With greater requirement for production and machine information, comes the need for industrial grade smart devices. Smart devices are integral components for smart machines and are the first step to capture operational data. These smart devices help enable you to make smarter, more informed decisions.

At its most basic level, **The Connected Enterprise™** is about enabling the equipment, machinery, and devices in a manufacturing plant to provide real-time information that can help optimise plant operations.

SMART DEVICES HELP YOU:

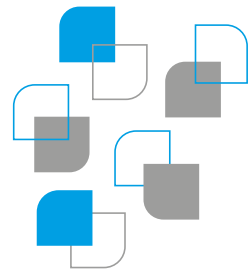
- Increase productivity
- Produce higher-quality products at lower costs
- Support regulatory compliance
- Identify and address worker-safety issues
- Optimise supply chains

Our smart devices are the foundation of integrated control and information, providing seamless connectivity and the raw data for your Connected Enterprise.

SMART STARTS HERE.

THE FOLLOWING PRODUCT FAMILIES ARE FEATURED:

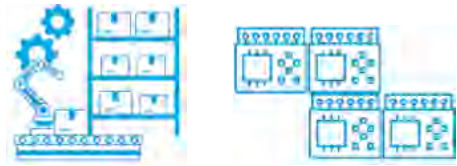
1. Micro800® PLC Family
2. PowerFlex™ 520-Series AC Drives
3. 1734 POINT I/O™ AND Flex 5000™ I/O
4. E300™ Electronic Overload Relay



MICRO800® PLC FAMILY

FEATURING ALLEN-BRADLEY® CONNECTED COMPONENTS WORKBENCH™ DESIGN AND CONFIGURATION SOFTWARE

Customised for your application needs.



Make your machines smarter and increase speed to market with the Allen Bradley® Micro800™ programmable logic controller (PLC) family.

The Micro800 controller platform offers a scalable and robust **Micro Control solution** for small to larger standalone applications. Available in different form factors, these controllers are designed and built with customisation and flexibility in mind.

You can buy only the functionality you need and use plug-in modules to match your application requirements. Our Micro800 control system with **Connected Components Workbench™** software can help reduce machine design time and maximise productivity. The basic version of the connected components workbench is completely free.

Start Smart and **Drive Operational Efficiency** today.

POWERFLEX® 520-SERIES AC DRIVES

THE NEXT GENERATION OF POWERFUL PERFORMANCE. FOR FLEXIBLE CONTROL.

Allen-Bradley® PowerFlex® 520-Series AC drives combine innovation and ease of use to provide motor control solutions designed to maximise your system performance and reduce your time to design and deliver better machines.

Each of the three drives in this family offers a unique set of features to distinctively match the needs of your application.

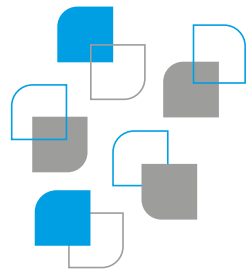
- **PowerFlex 523** AC drives are ideal for machines that require cost-effective motor control.
- **PowerFlex 525** AC drives are ideal for machines with simple system integration and offer standard features including built-in EtherNet/IP™ and safety.
- **PowerFlex 527** AC drives are designed to be used with an Allen-Bradley Logix Programmable Automation Controller (PAC).

Ideal for machines that can benefit from the same drive configuration experience for both servo and AC drives, the PowerFlex 527 drive features a built-in dual port for EtherNet/IP and safety over the network.

The leading generation of Allen-Bradley® PowerFlex compact drives provides ultimate flexibility from stand-alone to integrated applications. Features that lead the marketplace today, with a wide range of motor control options and standard features.



Power Range: 0.25...30HP/0.2...22kW | **Voltage Range:** 100V to 600V



1734 POINT I/O™

IN-CABINET MODULAR I/O PLATFORM

POINT I/O is a family of modular I/O products ideal for applications requiring flexibility and low cost of ownership. With one to eight channel density modules, including a self-configuring discrete module, the modularity of POINT I/O minimises system costs and size. The ability to mix standard and safe I/O provides even greater flexibility and opportunities for standardisation, regardless of application requirements.

Since it can be used both as local and remote I/O, POINT I/O further reduces engineering costs in design, installation and application development. As part of the Rockwell Automation Integrated Architecture, POINT I/O provides comprehensive channel-level diagnostics (wire off and short circuit), and configurable features, such as user-set filters and alarms, making it easy to use in your application.



POINT I/O is the only IP20-rated modular I/O solution compliant with ODVA requirements for linear, star, and ring EtherNet/IP architectures. This provides you with greater system reliability and availability, maximising your uptime and system performance.

IO-Link is the first technology for communication with sensors and actuators to be adopted as an IEC 61131-9 standard. POINT I/O-Link Master allows up to four I/O – Link devices to be connected to the POINT I/O system. Regardless of the application, POINT I/O brings the power of the Integrated Architecture to the field device in a small, easy-to-use package.



FEATURES AND BENEFITS:

Flexibility

- Connectivity to ControlNet, DeviceNet, EtherNet/IP and other open networks
- Linear, star, and ring EtherNet/IP network topology
- Supports I/O – Link Technology
- Individual, rack, and assembly-level connections
- Horizontal or vertical mounting without derating
- Safe and Standard I/O in the same chassis



I/O-Link Master



Cost Savings

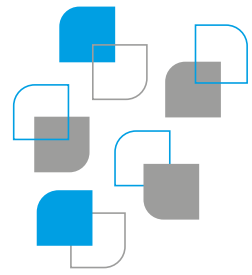
- Modular design requires less enclosure space
- Up to 504 channels on a single network interface
- Removable terminations accelerate commissioning
- Remove and Insert Under Power (RIUP) reduces maintenance time
- Local autonomous control

Ease of use

- Fast, simple configuration and integration
- Full Add-on-Profiles in Studio 5000®
No other software is needed
- Channel-level diagnostics

Faster Performance

- Multiple connection types
- Sense-to-actuate <2 milliseconds



FLEX 5000™ I/O

FLEXIBLE I/O PLATFORM ENABLING INTEGRATED CONTROL FOR THE CONNECTED ENTERPRISE

Flex 5000™ I/O is a reliable and flexible distributed I/O solution, allowing you to **choose your I/O to meet your operational needs**.

The platform offers integrated safety with discrete and analog **fail-safe I/O** for applications requiring speed, frequency measurement, temperature sensors, pressure, and flow sensor monitoring.

The modules are **TÜV certified** up to CIL 3, PLe, Cat. 4 and can be conveniently mounted in the same rack with standard modules, reducing hardware cost. Flex 5000 I/O enhances communication with 1 Gb EtherNet/IP™ connectivity, offering higher speed and increased bandwidth.

Ease of communication is optimised with multiple network architecture and topology options such as Parallel Redundancy Protocol (PRP). Device Level Ring (DLR). Linear, and Star. And a defense in depth security strategy is achieved with module vendor certificates, firmware encryption and secure boot functionality.

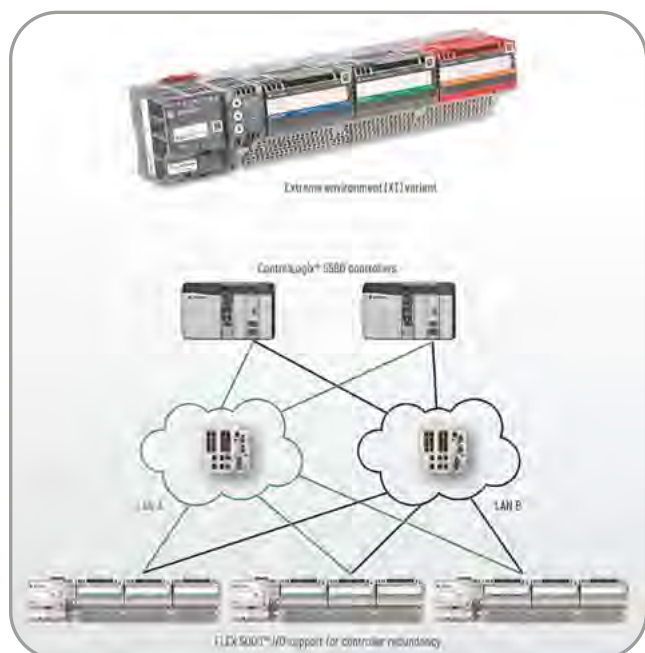
FLEXIBILITY IN DESIGN AND MAINTENANCE

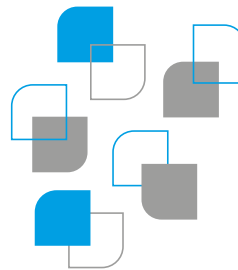
- Optimise footprint by mounting up to 16 modules on a single node, vertically or horizontally, and in any module sequence
- Operate at -40...70°C (-40...158°F) temperatures and in extreme environments with XT version up to G3 with conformal coating
- Use in hazardous areas under Class I, Division 2, Zone 2, Groups A, B, C, D
- Reduce downtime with simplified Removal and Insertion Under Power (RIUP) and easy online changes

DISCOVER LOGIX REDUNDANT CONTROL SOLUTIONS

READY FOR PROCESS APPLICATIONS

- Gain support for Controllogix®5580 controller redundancy in high availability applications from Studio 5000 Logix Designer® application, version 33 or later and deliver more consistent operations with increased reliability.
- Reduce downtime with easy access to additional Process diagnostics via HART Premier Integration in Studio 5000 Logix Designer software.
- Save engineering time through tight integration with instruction set in PlantPAx®5.0 system and above.





E300™ ELECTRONIC OVERLOAD RELAY

NEXT-GENERATION ELECTRONIC OVERLOAD

The E300 Overload Relay and its modular design, communication options, diagnostic information, simplified wiring and integration into Logix make this the ideal overload for motor control applications in an automation system. It provides flexibility, reduces engineering time and maximises uptime for important motor starter applications.

FEATURES & BENEFITS:

Intelligent Motor Control Easy automation system interaction

- Network connectivity
- Native I/O
- DeviceLogix Technology enabled
- Integrated into Logix
- Pre-programmed Operating Modes

THE NEWLY DESIGNED E300 HAS INCORPORATED THE **LATEST TECHNOLOGIES** DIRECTLY INTO THE DEVICE TO HELP SIMPLIFY INSTALLATION AND CONFIGURATION.



Diagnostic Information Monitor motor performance

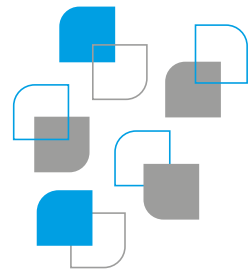
- Voltage, Current and Energy
- Trip/Warning Histories
- Thermal Capacity Utilisation
- Time to Trip
- Time to Reset
- Operational Hours
- Number of Starts
- Snapshot Log

Modular Design For exact application needs

- Wide Current Range
- Multiple sensing capabilities
- Expansion I/O
- Operator Interface

THE **NEW MODULAR DESIGN** OF THE E300 ALLOWS CUSTOMERS TO TAILOR THE DEVICE FOR THEIR APPLICATION'S NEEDS.





E300™ ELECTRONIC OVERLOAD RELAY CONT.

COMMUNICATION MODULE

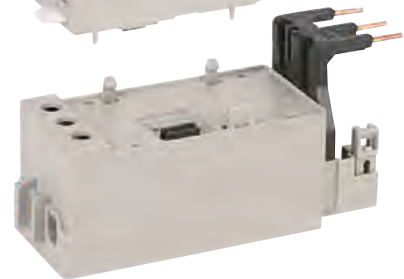
- 193-ECM
- EtherNet/IP™
- DeviceNet™



CONTROL MODULE

193 – EIO				
Control Voltage	I/O		I/O & PROTECTION	
	Inputs	Relay Outputs	Inputs	Relay Outputs
110-120V AC 50/60 Hz	4	3	2	2
220-240V AC 50/60 Hz	4	3	2	2
24V DC	6	3	4	2

*Includes PTC Thermistor & External Ground Fault



SENSING MODULE

- 592/193-ESM

SENSING OPTIONS	CURRENT RANGE
Voltage/Current	0.5 – 30A
Ground Fault	6 – 60A
Current/Ground Fault	10 – 100A
Current	20 – 200A



COMPLETE OVERLOAD RELAY

Simplified Logix Integration

With simple tools such as Add-OnProfiles, Add-On Instructions and Faceplates; users can integrate the E300 Overload Relay into Integrated Architecture® with ease. Download the pre-programmed and pre-tested tools, copy and paste the desired portions into your project and configure the properties for your specific application.



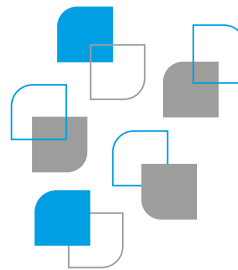
CUSTOMISABLE

Multiple accessory options allow for the E300 Overload Relay to be customised to fit your application needs.

Customers can expand out to 4 of the available Digital I/O modules, plus 4 Analog I/O modules along with a power supply and operator interface.



NOTES PAGE

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SOFTWARE FOR A CONNECTED ENTERPRISE

SMART MANUFACTURING IS THE GATEWAY TO DIGITAL TRANSFORMATION.

Connected smart devices open new windows of visibility into processes. Data and analytics enable better and faster decision making. Seamless connectivity spurs new collaboration.

The **Connected Enterprise®** makes all this possible. It converges plant-level and enterprise networks, and securely connects people, processes, and technologies.

The Connected Enterprise® helps you:

- **Achieve Operational Intelligence:** Access, analyse, and act on your production data in real time for better decisions
- **Ensure productivity:** Connect systems and redefine productivity in the information age for advanced integration
- **Ensure Risk Management:** Address issues to safeguard your assets and protect your brand with Secure Systems

DIGITAL TRANSFORMATION

Better data and digitised processes can revolutionise your business. New insights that are revealed through better data access can help you:

- Reduce bottlenecks
- Implement demand-based decisions
- Improve maintenance.

Greater digitisation can help you reduce downtime and improve profitability.

A digital twin, for example, can be used to optimise machine designs or test production changes before you implement them.

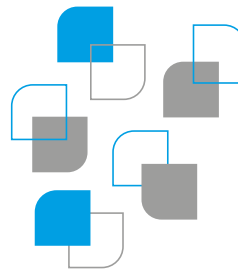
Connected products or services can **create entirely new revenue streams**.

How can you as a SI better prepare your customer for digitalisation? When discussing new solutions, SI's are a critical part of a customer's digital transformation journey. Always keep the end goal in mind.

THE FOLLOWING PRODUCT FAMILIES ARE FEATURED:

- | | |
|----------------------------|--------------------|
| 1. Asem 6300™ Product Line | 4. Fiix™ |
| 2. FactoryTalk® Optix™ | 5. Plex™ |
| 3. DataMosaix™ | 6. Thingworx™ IIoT |





ASEM 6300™ PRODUCT LINE

RELIABLE, ROBUST & COMPACT INDUSTRIAL PC'S, THIN CLIENTS, AND MONITORS WITH A WIDE VARIETY OF CONFIGURATIONS

The ASEM™ 6300 products optimise operations by automating processes, increasing productivity, and enhancing security. Paired with FactoryTalk® View HMI software and ThinManager® thin client management software, you can create a tailored visualisation system from over 2,000 combinations.

ASEM 6300 industrial PCs offer modularity, diverse options, and remote management, maximising your investment value.

Combine them with our control products, application software, and Lifecycle Services for integrated solutions to tackle production control challenges.



TECHNICAL FEATURES

ASEM 6300P Panel PCs

- Intel Celeron, i3, i5 and i7 Processors
- 12.1" to 24" displays
- Analog resistive and multitouch (PCAP) touchscreens
- Aluminium, Aluminium and Glass, Stainless Steel (IP65 and IP69K)

ASEM 6300T Thin Client PC

- ASEM 6300T Thin Client PC Intel Atom, no OS or SSD included

ASEM 6300B Box PCs

- Intel Atom, Celeron, i3, i5, and i7
- With & without cooling fan
- Book & Wall Mount

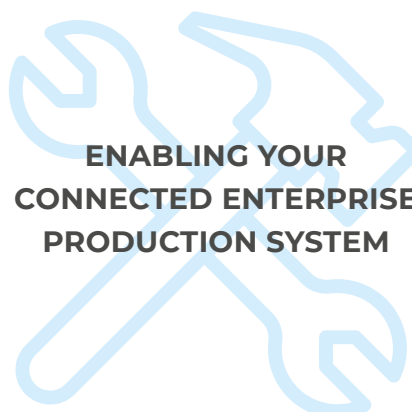
ASEM 6300M Monitors

- 10.1" to 24" displays
- Analog resistive and projected capacitive multitouch (PCAP) touch screens
- Aluminium, Aluminium and Glass, Stainless Steel (IP65, IP66K and IP69K)



BENEFITS

- Panel-mount variations in standard and wide screen formats
- Maximum flexibility to meet specific performance requirements
- Robust product family for plant floor environments
- Low-profile bezels on wide screen displays and monitors provide that ultra-modern look
- Combine with FactoryTalk® View and ThinManager® to create a complete visualisation system



STREAMLINE YOUR OPERATIONS

Allen-Bradley® OptixPanel™ graphic terminals give you a PC-like user experience in a sealed (HMI) appliance. There is no operating system to secure, and smaller applications can benefit from the superior price-performance ratio. They are also available in a wide range of screen sizes, bezel options, aspect ratios and touch screen technologies that support gestures, such as swipe and pinch, and can operate on two independent networks for easier integration on your factory floor.

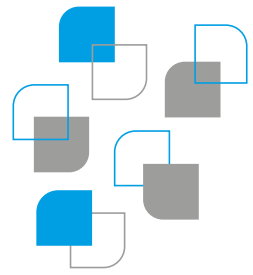
OptixPanel graphic terminals run FactoryTalk® Optix™ and FactoryTalk® Remote Access™ software, providing flexibility, scalability and enhanced connectivity. FactoryTalk® Optix™ software – based operator panels for visualisation and maximum connectivity.



FEATURES & BENEFITS

- **Embedded solutions** based on FactoryTalk Optix software, the new collaborative, cloud-based platform that offers an unprecedented degree of flexibility, scalability, extensibility and openness for visualisation and edge computing applications.
- **Full industrial interoperability** for M2M scenarios and interfacing to MES and ERP systems thanks to native support for the OPC UA protocol, simple two-way communication with cloud infrastructures via MQTT protocol.
- Aluminium (ALU) and aluminium True Flat (TF) front panels with **resistive touchscreen**.
- True Flat aluminium and glass front panels (TFM) with multitouch back-projected capacitive touchscreen.
- Available with 10.4", 12.1" and 15" in 4:3 aspect ratio and 7", 10.1", 12.1", 15.6", 18.5" and 21.5" in Wide aspect ratio.
- **Natively equipped with two Gigabit Ethernet ports**, two USB 3.0 ports and a multi-standard serial port.
- **Integrated FactoryTalk® Remote Access™** software for remote assistance (UBIQUITY license compatible).
- **A wide variety of configurations** – OptixPanel™ graphic terminals come in two families and over 50 different versions.

**ALLOWING YOU TO CHOOSE THE BEST END
DEVICE FOR YOUR SPECIFIC APPLICATION**



FACTORYTALK® DATAMOSAIX™

EMPOWERING INDUSTRIAL DATAOPS FOR ENHANCED DATA MANAGEMENT

In today's data-centric industrial landscape, agility and efficiency in managing extensive data is essential. FactoryTalk® DataMosaix™ is Rockwell Automation's new Industrial DataOps and Data Hub offering.

This **cloud-based powerhouse platform** is the ideal **industrial DataOps solution** for elevating your data management.

DataMosaix™ seamlessly **connects to a diverse array of data sources**, spanning equipment like drives, PLCs, sensors, critical databases (historians, MES, ERP, CMMS) and data feeds (e.g., weather info, CAD, P&IDs, LIDAR scans). It accommodates a **wide range of data types**, from time series to event-based and relational data.



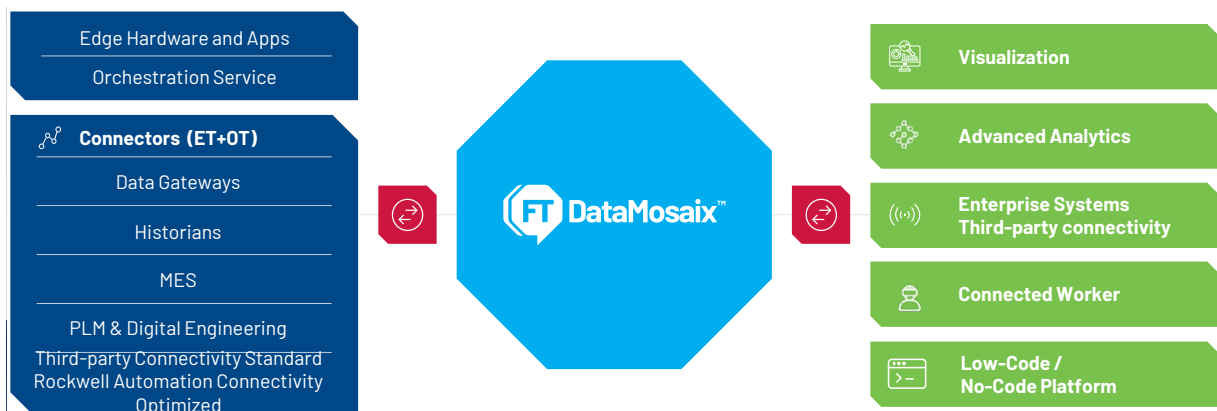
This platform empowers you to **create and contextualise data models**, whether you're starting from scratch or leveraging existing frameworks like PI Asset Framework.

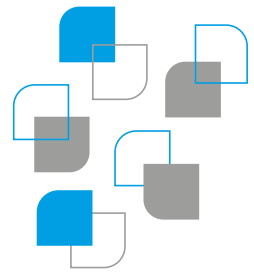
From manual domain expert mapping to automated machine learning for engineering documents, DataMosaix offers diverse contextualisation options.

Once your data is organised and transformed, it's **readily accessible to various applications**, thanks to **multiple access points** via APIs, SDKs, and built-in charting tools.

DataMosaix excels in **connecting with both Rockwell Automation and third-party systems**, ensuring a premium integration experience. It empowers you to **create actionable insights**, from dashboards to applications like Connected Worker™, enabling advanced analytics and **data-driven decision-making**.

Enterprise systems connectivity is paramount, facilitating critical IT data ingestion, connecting to data lakes, and automating enterprise workflows. FactoryTalk DataMosaix is the catalyst for **data transformation and competitive advantage** in a data-driven world.





FACTORYTALK® DATAMOSAIX™ CONT.



CUSTOMER CHALLENGES

- Data scientists historically spend 80% of their time finding and cleaning data.
- Industrial data created is often stored locally (at the edge) and is not available to other persona's. Data is often stored without context to other important information. Data is often exported at a point in time, making it stale by the time it is used.
- These point solutions don't scale well. Attempts to use traditional IT techniques, such as data lakes for OT data often does not scale nor is it cost-effective at scale.

DataMosaix™ is part of a growing category now known as **Industrial DataOps** that helps all users access data, give data meaning, and make it have value to the business.



TARGET INDUSTRIES

These are ideal customer scenarios:

- Mid-size or larger manufacturers that have historian access to their data.
- Customers who need a way for process engineers to compare time performance from one site to another.
- Mid-size manufacturer has several sites that came from acquisitions, and they have disparate systems to access and view their data.
- Customer who wants a cloud historian rather and they don't want to invest in building and managing on-prem infrastructure.
- Large customer that has stalled digital transformation projects.

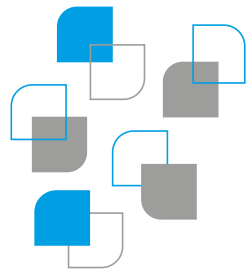
UNLOCKING **VALUE** FROM DATA SILOS,
ENABLING **DATA CONTEXTUALISATION**, AND
TRANSFORMING INDUSTRIAL OPERATIONS

Rockwell is building industry-focused applications on this platform, and our partners will build additional applications that leverage their specific areas of expertise as well.

There are connectors to standard applications such as PowerBI, Grafana, and Jupyter Notebook for analytics and data science purposes.

THE IDEAL CUSTOMER:

END USER STRUGGLING WITH DATA SILOS PREVENTING THEM FROM
LEVERAGING DATA ACROSS OT AND IT AND ET SOURCES. THIS CUSTOMER
IS STALLED IN THEIR DIGITAL MATURITY AND CANNOT GET A TOP-DOWN
VIEW TO MAKE ENTERPRISE-WIDE BUSINESS DECISIONS.



BENEFITS OF SaaS

FOUNDATIONAL USE CASES

SaaS accelerates value realisation by **bypassing the need to hire or train** technical resources or endure lengthy implementations. It's **purpose-built** for managing vast quantities of **time series data**, delivering **superior performance** in testing compared to alternative solutions. While customers avoid software management, they retain full **ownership of their data**.

This solution **reduces total ownership costs** by eliminating the need for an internal team to manage custom digital infrastructure, whether it's on-prem or in a public cloud.

Costs become more predictable, sparing manufacturers from unpredictable expenses as their data grows.

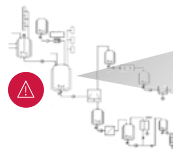
WE HAVE THREE **FOUNDATIONAL USE CASES** THAT ARE
"QUICK WINS" ENABLED BY FACTORYTALK® DATAMOSAIX™.

THE FIRST IS **NEXT GENERATION HISTORIAN**:

Enrich time series with context from enterprise and third-party data systems to enable problem solving.

Ability to store and analyse time series and events data from a production asset or process.

Easy, centralised and contextualised data across multiple plants for faster root cause analysis by off-site SMEs.



Eg, One manufacturer combined electrical and compressed air data, including utility data, to analyse temperature spikes. To further identify predictive indicators of this anomaly, time-series process telemetry data and event data was also ingested and analysed along with the initial data set, ultimately providing near real-time monitoring that improved equipment availability and improved employee productivity.

THE SECOND IS **ENTERPRISE PRODUCTION REPORTING**:

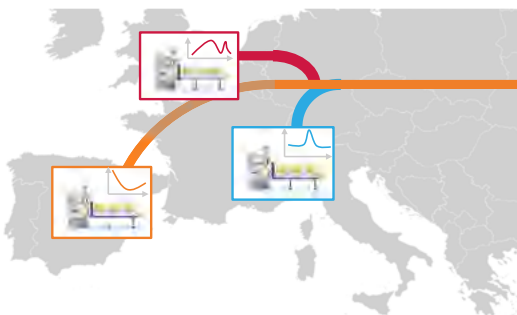
Most plants employ on-prem performance management or OEE solutions like FactoryTalk Metrics, but they often lack enterprise-wide visibility. By utilising data from solutions like FactoryTalk Metrics, a **unified, aggregated view** emerges. This empowers operations leaders and SMEs to pinpoint key factors behind production losses and waste, enabling focused resource allocation.

Compare OEE by plant, line, equipment or shift and conduct ad-hoc queries to understand plant performance

Off the shelf OEE calculations that don't require an extensive IT project

Leverage the existing investment in on-premise OEE reporting tools by reusing the existing context

Make **informed** production planning **decisions**



REAL TIME & TRUSTED ENTERPRISE VISIBILITY TO PLANT PERFORMANCE TO OPTIMISE PRODUCTION PLANNING



BENEFITS OF SaaS CONT.

THE THIRD IS ASSET MONITORING:

Asset Monitoring is focused on improving asset utilisation. This use case focuses more on aggregating and analysing sensor data for machines in one or many facilities. This sensor data can be combined with the related context to improve the manning of the sensor data and more readily find root causes of downtime events, leveraging ad-hoc analysis.

In addition, reliability of similar equipment can be compared across sites, with a holistic view of which assets are generating which alarms and what maintenance work orders were (or were not) executed for those assets.

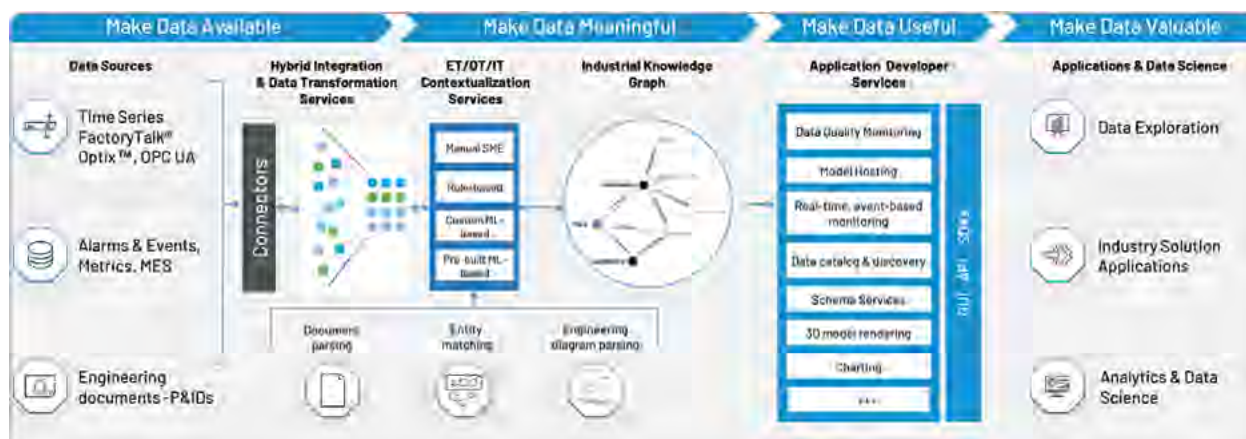
Compare reliability of similar equipment across multiple plants

Improve meaning of sensor data trends with the related IT/OT/ET context (e.g. maintenance work orders)

Quickly find root causes of downtime events with ad-hoc engineering analysis

ANALYSIS OF REAL TIME ASSET DATA TO DETECT ISSUES AND DETERMINE WHAT CORRECTIVE ACTIONS ARE NEEDED.

HIGH LEVEL OVERVIEW



Data Sources

Where the data exists, whether on-prem, at the edge, or in the cloud.

Hybrid integration

Data extractors are installed near the data source and bring in raw data into DataMosaix. The raw data is transformed into assets, time series, events, files, or other data objects.

Contextualisation Services

Data from various data sources are logically related to each other to build meaning. Time series, events, documents, etc are associated with assets or other data objects.

Industrial Knowledge Graph

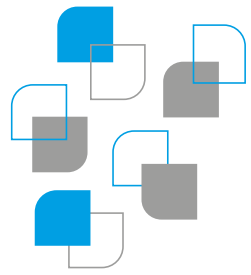
This is the output of contextualisation. It is an ever-evolving collection and representation of your industrial data.

Application Developer Services

Acting on the knowledge graph, data quality monitoring services monitor and react to changes. Self-service, data discovery tools help users easily find specific data points. In addition, there are APIs and SDKs to enable applications to leverage this data.

Applications & Data Science

The standard DataMosaix interface includes fundamental applications, such as charting, document and model viewing, and the ability to query and view data.



FACTORYTALK® DATAMOSAIX™



Make Data Available
Free your Data Trap Silos



Make Data Meaningful
 Easily Contextualize Complex Data



Make Data Useful
 Easily Contextualize Complex Data



Make Data Valuable
Generate the Insights that Drive Action

THE HIGH LEVEL OVERVIEW

SIMPLIFY DATA CONNECTIVITY

- Reduced manual effort to collect data across many sources
- Pre-built OT and IT data extractors for common industrial data sources
- Standard integration with FactoryTalk® Optix™ for real-time data
- Well-documented APIs and SDKs for custom extraction
- Standard import of engineering data

Capture data at scale

- Rapidly scale across machines, lines and facilities with re-usable data pipelines
- Real-time monitoring and lifecycle management of data pipelines
- Full traceability of data ingestion and transformation
- Configure and manage users and role-based access to data

ACCELERATE DATA CONTEXTUALISATION

- Give context to time series, events, documents, images, 3D models and more
- Create logical relationships between all data types, even with different naming conventions
- AI-enabled automated contextualisation services
- Image and video contextualisation and management

Link digital to physical

- Bring static documents to life
- Create interactive engineering diagrams to easily understand the physical context of time series data, alarms, work orders and so on

EASILY EXPLORE THE AVAILABLE DATA

- Intuitive search across contextualised data
- Contextualised view of assets, time series, documents, models and so on

Create flexible and reusable data models

- No-code data modeling to create data “building blocks” for assets, processes or other structures based on application needs
- Flexible data models to support a variety of use cases
- Auto-populated data models for scaling
- Functions to generate insights to use across applications
- Pre-built templates to accelerate application development

Expose data to develop applications

- APIs and SDKs to integrate data models and templates with the visualisation and analytics applications of choice

CONDUCT AD-HOC DOMAIN EXPERT ANALYSIS

- No-code analysis of time series and events data with an industrial data analytics library
- Domain experts can share insights and collaborate

Deploy scalable applications

- Pre-built connectors for industry standard visualisation tools
- Open APIs and SDKs for application developers
- Rockwell Automation Industry Solutions

Develop advanced analytics

- Standard connectivity to leading data analytics and simulation tools for data scientists
- Develop, run and share code in Jupyter notebooks

FIIX™ CMMS

JOIN THE FUTURE OF CMMS MAINTENANCE SOFTWARE & DIGITAL TRANSFORMATION.

WHAT IS A CMMS? (Computerised maintenance management system)

A software application that helps organisations manage their maintenance operations. It provides a **centralised platform for tracking and scheduling maintenance tasks, managing assets and inventory, and generating reports**. Implementing a CMMS brings benefits such as improved maintenance planning, increased equipment lifespan, enhanced asset management, streamlined work order management, better inventory control, and improved reporting and analysis.

Overall, a CMMS optimises maintenance operations, increases productivity, reduces downtime, saves time and money.

WHAT IS FIIX?

Fiix is a cloud-based, **AI-powered CMMS** that helps maintenance and operations teams make **data-driven decisions**. We're on a mission to build better maintenance teams by connecting customers to the tools, resources, and technology they need to join the future of maintenance.

We help our customers drive better business outcomes with easy-to-use, **AI-driven maintenance software**, an open ecosystem, pre-built integrations and the industry expertise they need for maintenance success. There are over 3000 maintenance teams in 90+ countries using Fiix to improve efficiency, asset health, and even sustainability.

Fiix focuses on equipment-intensive, production-oriented industries that are evolving from pen and paper or excel-based solutions **to CMMS software**, marking their strategic entry point into their enterprise **digital transformation**.

FIIX PROFESSIONAL SERVICES FOR CUSTOMERS:

- **Reasons why CMMS implementations fail?** – unclear business objectives, poor project management and planning, bad or bogus data, insufficient training and support, and lack of employee buy-in.
- Fiix offers **comprehensive professional services** including implementation, project management, training, data migration, consulting, and support. They also provide sample service engagements and different types of CMMS implementation project plans.
- **Ongoing review and refinement**, effective project execution, proper project planning, dedicated resources, and management support for CMMS success is vital.
- You can find **testimonials from clients** who have had positive experiences with Fiix Software's services.
- **What can we do for potential clients?** – we can perform a needs analysis and a statement of work, scoping out the project, and reviewing existing systems



PLEX™ ASSET PERFORMANCE MANAGEMENT (APM)



UNLOCKING MANUFACTURING EXCELLENCE

Plex™ Asset Performance Management (APM) leverages **IIoT to drive manufacturing excellence and unlock plant and business insights**. It addresses challenges like missed deadlines, inefficient production stops, and costly equipment repairs.

Features include integration capabilities, analytics with threshold rules, pre-built dashboards and reports, and support for various data types.

Plex APM **enables** manufacturers to maximise operational visibility, automate alerts, analyse trends, and track equipment performance. It offers **quick implementation, remote access** to dashboards, and runs on Microsoft's Azure Cloud for security and scalability.

With Plex APM, manufacturers can manage costs, deliver on customer commitments, optimise plant performance, and minimise reputation risks. It enables **predictive maintenance management**, proactive problem-solving, and recall readiness.

Plex APM is part of the comprehensive Plex Smart Manufacturing Platform.

MANUFACTURING EXECUTION SYSTEM (MES)

OPTIMISE PRODUCTION PROCESSES

In the competitive manufacturing industry, efficient plant floor operations are crucial for success. **Connecting** the plant floor with Enterprise Resource Planning (**ERP**) systems through a Manufacturing Execution System provides visibility, allowing **real-time data** collection and improved decision-making.

MES helps manage inventory, enforce quality standards, and reduce costly issues, while offering high-resolution visibility and flexibility for seamless integration with ERP systems. This **enhances production control**, lowers inventory levels, and improves overall performance.



Error-Proofed Control

- Common control panel executes production processes driven directly from the control plan to reduce cycle times and improve efficiency
- Machine integration tools connect with your shop floor equipment to automate production recording and to enable Industrial IoT
- Paperless, easy-to-use, and error proofed makes doing the right thing, the easiest thing to do
- In-line quality control to govern quality activities and ensure check sheet compliance



High-Resolution Visibility

- Real-time inventory data visibility with unsurpassed accuracy – including work-in-progress—collected at the point of production, movement and shipment to reduce inventory and carrying costs. Mitigate recall risk and/or exposure of recalls with easy access to accurate, database-driven information for product traceability, genealogy and lot management—from anywhere, at any time, on any connected device
- Real-time manufacturing intelligence to monitor critical KPIs for quicker, more confident decision-making
- Visibility to performance of shop floor assets to enable continuous improvement, reduce unplanned downtime, and add flexibility to operations



Connected by Design

- Flexible, configurable, cloud-native solution that is easy to set up, copy to other plants, and standardize across the enterprise
- Scalable shop floor solutions from basic MES (production monitoring) to more options-rich MOM (shop floor control) that complements your ERP with the manufacturing capabilities it lacks
- Asset performance monitoring to reduce disruptions

PRODUCTION VISIBILITY IS WITHIN REACH...

Plex's production monitoring solution aims to improve visibility and efficiency on the plant floor.

There are common challenges faced by manufacturers, such as limited resources, difficulty identifying root problems, manual data entry processes, and lack of real-time visibility.

In a single digital system of record and engagement, Plex makes it possible for manufacturers to reach new levels of visibility, quality, and control throughout their operation.

ALLOWING YOU TO ALIGN YOUR PRODUCTION WITH EXTREME PRECISION.



FEATURES

- **Gain New Insights:**
Unlock hidden operational data.
- **Drive Efficiency:**
Optimise processes with real-time feedback.
- **Swift Implementation:**
Quickly adapt to the system.
- **Smart Manufacturing:**
Begin your Industry 4.0 journey.



BENEFITS

- **Connect Seamlessly:**
Integrate with your machinery effortlessly.
- **User-Friendly Dashboards:**
Intuitive interface for data monitoring.
- **Automated Data Capture:**
Eliminate manual data entry.
- **Real-Time Analysis:**
Analyse operations as they happen.
- **Visual Feedback:**
Easy-to-interpret data visualisations.
- **Rapid Setup:**
Minimise downtime during implementation.
- **Hardware Compatibility:**
Connect with various equipment types.

THE PLEX SMART MANUFACTURING PLATFORM APPLICATIONS:

With the Plex Smart Manufacturing Platform, you've got options that range from stand-alone QMS to a fully integrated, end-to-end solution that will power your entire enterprise.



Plex Enterprise Resource Planning (ERP) is a full-featured, scalable, cloud based ERP that automates front- and back-office processes, including financial management, revenue management, human capital, order management, billing, and inventory.



Plex Manufacturing Execution Suite (MES) is a comprehensive manufacturing software solution that provides real-time, paperless production management to drive enterprise-wide compliance, quality, and efficiency.



Plex DemandCaster Supply Chain Planning (SCP) combines data from multiple departments across your business to sync up demand and supply forecasting to improve inventory accuracy and production management.



Plex Quality Management System (QMS) is a cloud-based digital quality solution for manufacturers that standardizes and automates quality documentation, processes, and measurements.



Plex Analytics & Industrial IoT (IIoT) combines process, operational, and machine-level data through highly visual dashboards that empower manufacturers to improve business processes and plant floor production efficiency.



Plex Manufacturing Automation helps you automate processes and connect the data from your machines at the plant-level to eliminate manual errors and maximize uptime.

PLEX™ QUALITY MANAGEMENT SYSTEM (QMS)



STREAMLINE QUALITY MANAGEMENT, EXCEL IN MANUFACTURING

Unlock your manufacturing potential with digital quality management. In the competitive manufacturing landscape, quality, cost-efficiency, and compliance are paramount. Plex's Quality Management System (QMS) equips manufacturers to excel. Gain predictable quality processes, industry-standard compliance, and a market edge. Plex QMS offers enhanced quality visibility, streamlined compliance, robust problem-solving, adaptable regulation compliance, simplified quality control, and data-driven decisions, revolutionising your operations and unlocking growth.



+ FEATURES AND BENEFITS

Increased Quality Visibility:

- Real-time data capture for comprehensive quality measurement and analysis.
- Automated quality processes and checksheet data for efficient tracking and reporting.



Strengthened Compliance Management & Enhanced Problem-Solving Capabilities:

- Integrated system and workflow for streamlined regulatory compliance.
- Proactive alerting and statistical process control (SPC) for effective quality control.

Agile Adaptation to Changing Regulations:

- Timely implementation of regulatory changes through digital processes.
- Mitigation of compliance risks with up-to date regulatory adherence.

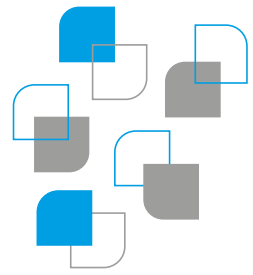
Simplified Quality Management:

- Elimination of manual errors through alignment with industry standards.
- Closed-loop quality management for continuous improvement and defect prevention.

Data-Driven Decision-making:

- Centralised quality information and real-time data for improved insights and root cause analysis.





PTC THINGWORX®

THE POWER OF NOW. AN IIoT PLATFORM TO OPTIMISE BUSINESS PROCESSES.

PTC ThingWorx® is an **end-to-end technology IIoT platform** that enables organisations to connect, monitor, analyse, and manage assets and processes in real-time, providing a suite of tools and services to build and deploy IoT applications, making it a valuable resource for **system integrators in various industries**. It's a **versatile platform** that empowers system integrators and end users in **mining, consumer packaging, and automotive industries** to fully leverage the benefits of IoT, enabling them to innovate, streamline operations, and stay competitive in their respective markets.

FOUNDATION FOR INDUSTRIAL TRANSFORMATION WITH THINGWORX APPLICATIONS:

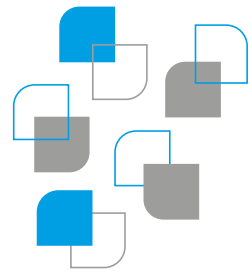
- **Ready-to-configure applications:** Reduce design and testing time.
- **Rapid implementation:** Start within 90 days with a configuration, not coding, approach.
- **Wrap and extend:** Works with existing systems, no need for replacement.
- **Future-proofed roadmap:** Scalable platform for digital transformation.



FEATURES & BENEFITS

- **Connectivity:** Supports various industrial protocols and interfaces.
- **Data Ingestion and Processing:** Ingests, processes, normalises, and securely stores IoT data.
- **Analytics and Insights:** Offers advanced analytics, predictive maintenance, anomaly detection, and more.
- **Application Development:** Integrated development environment with no extensive coding.
- **Scalability and Flexibility:** Suitable for organisations of all sizes, adaptable to evolving needs.
- **Security:** Robust security features, role-based access control, and encryption.
- **Integration:** Easy integration with other enterprise systems (ERP, CRM).

- **Increased Efficiency:** Optimises operations and enhances productivity.
- **Cost Reduction:** Lowers maintenance and operational costs through predictive maintenance.
- **Improved Quality:** Real-time monitoring and analytics for better quality control.
- **Enhanced Safety:** Maintains a safer working environment for employees.
- **Compliance:** Ensures regulatory compliance in highly regulated industries.
- **Data-Driven Decision Making:** Provides valuable insights for informed decisions.
- **Competitive Advantage:** Gains a competitive edge by fully leveraging IoT potential.



INDUSTRY APPLICATIONS & INHERENT BENEFITS

MINING INDUSTRY:

- **Asset Monitoring:** Real-time health and performance monitoring reduces downtime.
- **Predictive Maintenance:** Proactive maintenance and cost savings through equipment failure prediction.
- **Environmental Compliance:** Monitors emissions and waste management for regulation adherence.

CONSUMER PACKAGING INDUSTRY:

- **Quality Control:** Tracks packaging machinery and materials for product quality maintenance.
- **Supply Chain Optimisation:** Optimises supply chain by tracking goods in transit.
- **Energy Efficiency:** Monitors energy usage for cost reduction and sustainability.

AUTOMOTIVE INDUSTRY:

- **Manufacturing Process Optimisation:** Enhances efficiency and quality control in production.
- **Supply Chain Visibility:** Real-time insights into component and product movement in the supply chain.
- **Connected Vehicles:** Enables remote diagnostics, over-the-air updates, and predictive maintenance for connected cars.

THE POWER TO CONNECT

Connection Services

Secure, embeddable, and easily deployable tools and functionality for connecting devices and systems across any network topology and any communication scenario.

ThingWorx® Flow

A complete set of built-in, system-specific and standards-based connectors enable users of any skill level to visually orchestrate connections between devices and systems.

ThingWorks® Kepware

Multiple, standardized connectivity options support a wide variety of disparate assets and enable secure, real-time connection capabilities at the data source.

THE POWER TO BUILD

Develop

Visual application modelling templates, plus drag-and-drop tools enable rapid development of applications with robust functionality.

Deploy

Applications can be deployed anywhere - in the cloud, on premise, or a hybrid environment - and are scalable from small edge deployments to millions of connected devices.

Integrate

Built-in capabilities simplify 3rd-party integrations - such as CRM, ERP, SCM - and enable seamless integration of data into all connected tools and systems.

Connect

Multiple available tools connect devices and systems to ThingWorx® - enabled solutions across any network topology or communication scenario.

THE POWER TO ANALYSE

Descriptive: What happened?

Useful insights generated with pre-built calculations and transformations for better understanding of data.

Diagnostic: Why did it happen?

Patterns and correlations in data are identified to explain data, establish baseline "normal" behaviour, and detect anomalies quickly.

Predictive: What will happen?

Applies machine learning to historical data to make predictions about future outcomes - machine failures, consumable depletions, etc.

Prescriptive: What should I do?

Integrated models simulate behaviour of physical objects in the digital world to generate recommendations and improve outcomes.

THE POWER TO MANAGE

ThingWorx® Flow

Visual environment with user-friendly tools allows users to easily wire together connections between systems, then create flows of data that execute specific processes.

ThingWorks® Solution Central

Centralized portal in the cloud that allows system administrators to efficiently discover, deploy, and manage ThingWorx applications across the enterprise, from a single location.

ThingWorx® Software Content Management

Secure, reliable interface to remote assets simplifies mass software distribution - deployment, content scheduling, testing, monitoring and audits.

THE POWER TO EXPERIENCE

Visual Experiences

Compelling data visualizations, customized dashboards, and dynamic user interfaces simplify data consumption, increase user engagement, and encourage sharing.

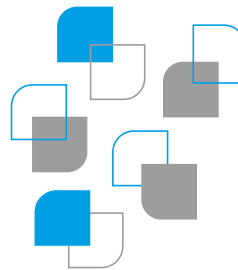
Enhanced Insights

IIoT data is combined with relevant 3rd party data for more complete, contextualized insights and can be accessed in real-time to foster more proactive user engagement.

Vuforia Integration

Vuforia integration enables users to create immersive AR experiences from IIoT data, accessible on mobile wearable devices, for meaningful 3D interactions with facilities, processes, and equipment.

NOTES PAGE

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LIFECYCLE SERVICES IQ™ TRAINING & CYBERSECURITY



LIFECYCLE SERVICES

Empower every stage of your lifecycle journey with lifecycle services that provide integrated industrial analytics, transformative technologies, and unparalleled domain knowledge.

Rockwell's LifecycleIQ™ Services connect, secure, mobilise, and scale your manufacturing operations for greater performance, reliability, safety, and ongoing innovation.



WORKFORCE DEVELOPMENT TRAINING SERVICES

Fill your skills gap with our in-person, online, and virtual training courses.

The need for talented new employees has taken on greater importance as older workers retire and new automation technologies require new skills.

A clear automation training strategy with virtual and instructor-led courses can help you mitigate workforce challenges.



MODERN INDUSTRIAL OPERATIONS REQUIRE MODERN CYBERSECURITY

As the world leader in industrial automation, Rockwell Automation knows how to secure industrial systems for organisations of all sizes across all industries.

We deliver unrivalled capability in OT cybersecurity with a power combination of specialised in house cyber knowledge coupled with world-class partnerships.

You can rely on Rockwell Automation for all your OT security needs, as many organisations in the Fortune 100 do.



UPSKILL YOUR EMPLOYEES WITH FLEXIBLE, ON-DEMAND TRAINING SOLUTIONS

With unemployment at an all time high and the skills gap widening, you need to provide your current workforce with the **technical skills and knowledge** that will keep your production environment operating smoothly. Our Learning+ training subscription provides the valuable instruction that you need, with today's flexible workforce requirements in mind.




Knowledge Areas
FOR LEARNING+ ENHANCED

- Electrical Technician
- Instrumentation and Controls Technician
- Maintenance Shop Equipment
- Math and Sciences
- Mechanical Maintenance Technician
- Operational Excellence
- Power Plant Systems
- Renewables

Automation Technologies

- Control
- Visualisation
- Drives
- Motion
- Process
- Industrial Networking
- Cybersecurity
- Software
- Safety

EXPANDED TRAINING OPTIONS

Learning+ Enhanced is a new option that adds over 140 hours of content to the platform, and is focused on craft skills across 8 different knowledge areas.

	Learning+	Learning+ Enhanced
Automation courses	✓	✓
Virtual Instructor-Led Training	✓	✓
Modular lesson-based courses	✓	✓
Course assessments	✓	✓
Claroty software modules	✓	✓
Standalone learning modules	✓	✓
Certificates of completion	✓	✓
Supervisory dashboard*	✓	✓
Access duration	90 or 365 days	365 days
Educational subscriptions	✓	
Craft skills courses		✓

*Dashboard available to Group User or Multi-User Subscriptions.

BENEFITS OF LEARNING+

- Learn in multiple languages
- Enjoy flexible, virtual training
- Self-paced e-learning with expert guidance.
- Access 30+ Learning+ courses in 9 automation technologies.
- Dive into 140+ hours of Learning+ Enhanced lessons
- Engage in virtual classroom sessions with modular lectures, labs, and office hours.
- Access training on any tablet or PC with popular web browsers.
- All content is narrated and includes viewable transcripts.

OFFERINGS FOR ON-DEMAND FLEXIBLE EMPLOYEE TRAINING

Learning+ Options	90-day Access	Single User	Group User	Multi-User	Educational User
	90-day access for a single course and access to Virtual Instructor-Led Training classes occurring during access period. LP-3 LP3-TC*	365-day access to automation content and all virtual classroom sessions for single user. LP-SU*	365-day access to automation content and all virtual classroom sessions for 10 or more users. LP-GU*	365-day access to automation content and all virtual classroom sessions for 50 or more users. LP-MU*	For active educational support program customers; 365-day access to all content and all virtual classroom sessions for 10 or more users. LP-EU
Learning+ Enhanced Options	Learning+ Enhanced Single User	Learning+ Enhanced Group User	Learning+ Enhanced Multi-User	Supervisory dashboard included	
	365-day access to all learning content and all virtual classroom sessions for single user. LP-SU-ENH*	365-day access to all learning content and all virtual classroom sessions. Available in quantities of 10 or more. LP-GU-ENH*	365-day access to all learning content and all virtual classroom sessions. Available in quantities of 50 or more. LP-MU-ENH*		

*Active Rockwell Automation contract customers

LIFECYCLE REPAIR SERVICES (LRS)

MAKE QUALITY A PRIORITY FOR OVERALL OPERATIONAL EFFICIENCY

Comprehensive, holistic services drive continuous improvement and business performance throughout the lifecycle of your operations. Unauthorised repair vendors could introduce unknown risks. Overall operational efficiency can be compromised when quality is not the priority.

Repeat failures due to poor quality can lead to:

- Increased maintenance costs
- Decreased equipment uptime
- Unknown security risks
- Higher maintenance, repair and operations (MRO) spend

WHEN IT COMES TO
REMANUFACTURING,
DON'T COMPROMISE
QUALITY

Choosing substandard suppliers can expose you to significant unplanned downtime. It's time to defend your installed base from security breaches and improve asset reliability with a certified process and genuine parts.

BEFORE



AFTER

We follow a comprehensive remanufacturing process to **extend the life of your Allen-Bradley® equipment**

A trusted process from a trusted Original Equipment Manufacturer

Services available

Tracks new product warranty	✓	X
VOIDS new product warranty	X	✓
Track quality history for life of serial number	✓	?
Remanufacturing warranty covers entire unit	✓	?
OEM documented repair procedures followed	✓	X
OEM original parts replacement	✓	X
Product-enhancing firmware updates	✓	X
Functional testing to OEM specifications	✓	X
Immediate replacement option	✓	?
Return shipping included in price	✓	?
Global service availability	✓	?

Rockwell Automation Remanufacturing Services

Competitors' Repair

WE HELP YOU MINIMISE RISK BY:

- Using trusted and verified OEM components and suppliers
- Updating firmware to the latest version
- Proactively replacing aged and worn components

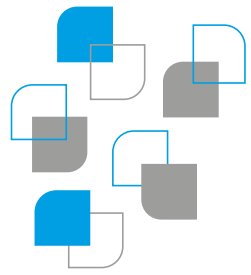


BENEFITS

- Improve asset utilisation with increased reliability and longer mean time between failures
- We implement engineering changes impacting safety, reliability or performance
- Access to a global staff of engineering and technical experts on products
- Capability for more in-depth testing such as high temperature, shock, vibration or humidity testing

As the manufacturer of Allen-Bradley® products, Rockwell is the only authorised service supplier of OEM-specified components for these products. Surveys show that Allen-Bradley products repaired by other companies can result in 3x the failure rate compared to products remanufactured by Rockwell Automation.





NETWORK AND CYBERSECURITY

MITIGATE RISKS WITH SECURE INDUSTRIAL NETWORK CONNECTIVITY

CYBERSECURITY SERVICES

Our end-to-end industrial network and cybersecurity offerings are designed to secure and protect your operational technology (OT) from plant floor to cloud. We combine over 100 years of industrial automation with specialised OT cybersecurity knowledge, bringing you the experts and resources you need to mitigate risk across your entire OT infrastructure and operating environment. Our capabilities span the entire attack continuum for manufacturers on any automation platform, with any number of sites, anywhere in the world. Our portfolio of solutions and managed services align to the NIST Cybersecurity Framework for 360 protection.

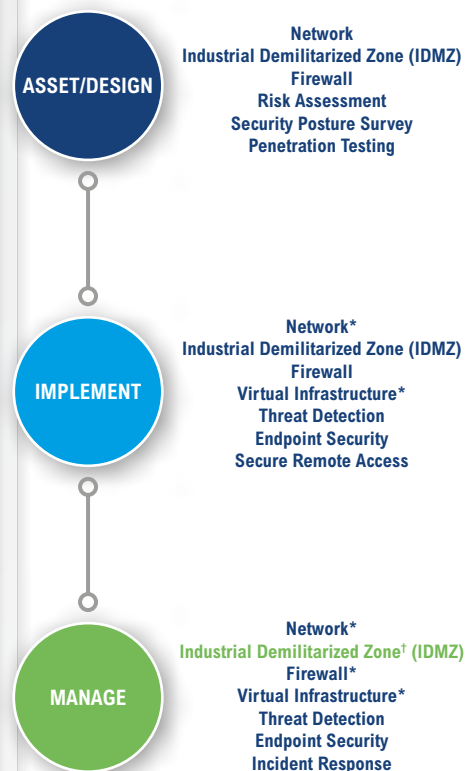
SECURE INFRASTRUCTURE & OPERATING ENVIRONMENT
PROTECT ASSETS, IP, BRAND
MAINTAIN NETWORK AVAILABILITY
REDUCE ENTERPRISE RISK

PROVEN APPROACH:

- 90% DECREASED TROUBLESHOOT TIME
- < 60 MINUTES TO MEAN TIME TO RESOLUTION

NETWORK & CYBERSECURITY SERVICES

	Assess/Design	Implement	Manage
NETWORKS	Network assessment or design Topology, performance, and remediation planning for current-state network or comprehensive future-state logical and physical design blueprint	Network implementation Deployment of logical and physical OT network topology design, hardware procurement, engineering commissioning services, and delivery of standardized documentation packages	Network management 24x7x365 real time monitoring and administration services for OT network switches, warranty management, firmware upgrades, and network configuration changes
	IDMZ design Functional specification, policies, procedures, rule sets, security appliance selections, and architecture drawings for a segmented demilitarized zone	IDMZ implementation Deployment of design specifications, micro-services, security appliances, engineering commissioning services, completed documentation packages, and finalized policies and procedures	IDMZ management 24x7x365 real time monitoring and administration services for IDMZ appliance uptime and maintenance, firewall rule set configuration, remote access administration, infrastructure patching and appliance security
		IDMZ pre-engineered Procurement, configuration, deployment, and commissioning of pre-engineered industrial demilitarized zone solutions	
VIRTUAL INFRASTRUCTURE	Design not required: this is a pre-engineered solution	Virtual infrastructure implementation Selection, sizing, configuration, deployment, and commissioning of pre-engineered industrial data center solutions	Virtual infrastructure management 24x7x365 real time monitoring and administration services for infrastructure uptime and maintenance, disaster recovery, application configuration, with optional capability to deploy anti-virus (AV) management and application server (OS) patch management
SECURITY	Firewall design Selection of security appliances based on existing IDMZ rule sets or pre-defined parameters for secure information exchange	Firewall implementation Procurement, deployment, start up and commissioning services of firewall appliances with optional documentation packages for architecture drawings, documented rule sets, policies and procedures	Firewall management 24x7x365 real time monitoring and administration services for firewall appliances, including hardware warranty management, and administration of firmware updates
	Risk assessment Quantitative or qualitative impact assessment of vulnerability threat x consequence based on global framework standards	Endpoint security implementation Deployment of anti-malware management solutions, software, or third-party services for end devices	Endpoint security management 24x7x365 real time monitoring of security alerts generated by endpoint security platform, plus system tuning and administration of software updates
	Security posture survey Simplified cybersecurity hygiene score and report to prioritize remediation plans for found or known vulnerability	Threat detection implementation Scaled site or enterprise wide deployment with on-site or off-site engineering services for configuration, optional enterprise management council (EMC) configuration	Threat detection management 24x7x365 real time monitoring of security alerts generated by threat detection platform, as well as system tuning, administration of software updates and monitoring and maintenance of threat detection hardware appliance
	Penetration testing Simulated cyberattack to uncover weaknesses in an organization's cybersecurity posture	Secure remote access implementation On-site or remote engineering services to provide configuration and testing for remote user system access	Secure remote access management 24x7x365 remote administration of users and access rights
			Incident response services Assistance with responding to suspected incidents or intrusions within an industrial control system environment, whether on-site or with remote support



† Coming soon *Infrastructure-as-a-Service Module

REAL-TIME. EASY TO USE. SECURE.

THE CRAIGCOR CUSTOMER HUB PROVIDES CUSTOMERS WITH 24-HOUR SECURE ACCESS TO THE INFORMATION THEY NEED IN AN EASY TO USE ONLINE PORTAL THAT PROVIDES REAL-TIME CONNECTION TO OUR BUSINESS SYSTEMS.



CORE FEATURES

TRACK OPEN ORDERS

Full visibility of your open orders with details of part shipments and expected delivery dates of outstanding items.

VIEW ORDER HISTORY

Full history of all orders placed on us with invoice and shipping details. Soon to include downloadable proof of deliveries.

TRACK PRODUCT SERIAL NUMBERS

See all item history including manufacturer serial numbers and shipping dates, perfect for checking whether purchased products are still in warranty periods



CREATE YOUR OWN QUOTES

Enables customers to complete budgetary and real-time quotes.

CHECK STOCK

Live connection to all our warehouse, detailing current stock levels and estimated replenishment lead times. Please note that this is naturally subject to prior Sale.

TRACK DELIVERIES

Up to the second updates of shipping progress once orders have left our warehouses.

PRICE LIST DOWNLOAD

Under certain conditions and permissions, CSV price-lists can be downloaded.

ALWAYS UP TO DATE

The Customer Hub is connected directly to our business systems and data is requested in real time so all information is always up to date.

SECURE

Customer data security is important to us, as such access to the Customer Hub is tightly managed and data is transferred through encrypted connections.

ASSIGNABLE FUNCTION-BASED PERMISSIONS

Customer administrators can determine access for users by required function.

OMNICHANNEL SUPPORT

We have assigned our Customer Care Team to assist with any queries customers have on the system. They can be contacted by phone, email, WhatsApp or through online chat.

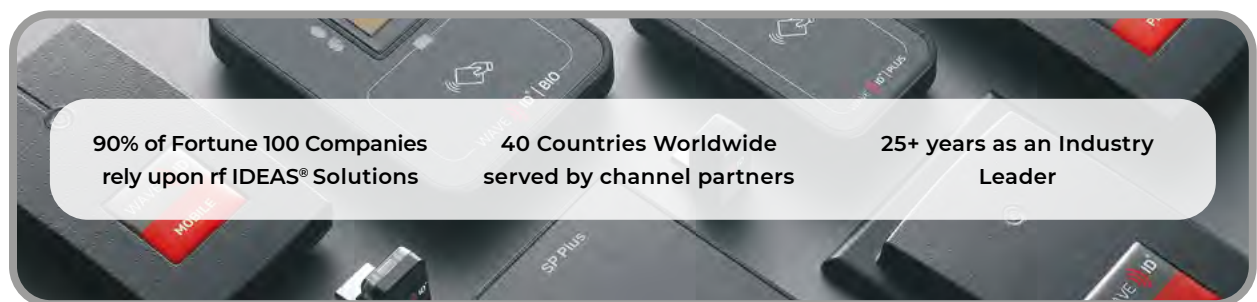
OUR PARTNER IN AUTHENTICATION SOLUTIONS. COMPATIBILITY WITH ROCKWELL APPLICATIONS.

We've partnered with rfIDEAS® to enhance security and productivity across your manufacturing line.

By utilising rfIDEAS® technology, you can maximise the potential of your existing employee ID badges for secure access control throughout your facilities.

At rfIDEAS®, reliability and efficiency are top priorities. We empower companies to make security simple by implementing our authentication solutions. Across industries like healthcare and enterprise, our logical **access control solutions are compatible with your existing credentials**, giving you the tools to manage your security ecosystem. Our goal is to be so reliable that easy access becomes what you expect. We are a trusted name in security and have been for over 25 years as we consistently deliver the right solutions that **meet evolving regulatory and cybersecurity demands**.

We offer various tools and utilities to enhance the functionality and integration of our customers' access control products- configuration utilities, keyboard emulation utilities, converters, developer tools and more

**VALUE ADDED BY rfIDEAS® TECHNOLOGY:**

- **Exclusive Partnerships:** We collaborate with select, renowned manufacturers, ensuring no conflicting product varieties.
- **Rockwell Automation Compatibility:** Trusted authentication solutions compatible with Rockwell Automation brand.
- **Qualified Operator Access:** Secure equipment and process controllers for qualified operators only.
- **Time and Cost Savings:** Efficient solutions that save our customers time and money.
- **Quality Control Support:** Full audit trail of users and access times to support quality control initiatives.
- **Wide Card Compatibility:** WAVE ID® readers work with various rfid card types and mobile credentials.
- **Diverse Form Factors:** Available in diverse form factors, including ODVA Certified and Ethernet/IP models for tough environments.
- **IP67 Protection:** Dust-tight and hose down-ready credential readers for durability.
- **Versatile Integration:** Ideal for integration with workstations, vehicles, tool cribs, and more.

FEATURED PRODUCTS

READERS

SOFTWARE

CREDENTIALS

TOOLS & UTILITIES



HONEYWELL PROCESS AND FIELD INSTRUMENTS

ELEVATE YOUR PLANT'S POTENTIAL

Honeywell is a renowned global brand known for its cutting-edge **field and process instrumentation**, making it a perfect fit for CraigCor's commitment to providing complete automation solutions to clients. One of the key reasons for our partnership with Honeywell is its diverse range of **measurement products** and **SmartLine® Pressure Transmitters**, which are industry-leading in optimising plant asset management and productivity.

These state-of-the-art solutions help our clients address their most demanding process challenges efficiently and effectively. Moreover, Honeywell offers a broad portfolio of data acquisition products, including **Trendview™ paperless recorders**. These recorders provide intuitive analysis tools, process visualisation, and reliable process monitoring and recording. They not only improve efficiency and decision-making but also ensure **superior product quality and regulatory compliance**.

The synergies between CraigCor and Honeywell are evident in our shared commitment to customer satisfaction and providing comprehensive automation solutions. We both believe in delivering **application expertise combined with in-depth product knowledge** to identify and implement the best solutions for our clients' unique requirements.



OUR PARTNERSHIP WITH HONEYWELL PROCESS SOLUTIONS STRENGTHENS OUR ABILITY TO SERVE THE SOUTH AFRICAN MARKET WITH **ADVANCED TECHNOLOGICAL SOLUTIONS**, ENSURING THAT OUR CLIENTS RECEIVE THE HIGHEST LEVEL OF QUALITY, EFFICIENCY, AND PRODUCTIVITY IN THEIR OPERATIONS.



FEATURED PRODUCTS

Field Instruments

Honeywell's diverse measurement products and **SmartLine® Pressure Transmitters** lead the way in optimising plant asset management and productivity. The product range consists of temperature transmitters, multivariable transmitters, wireless and level transmitters, flow meters and more.

Process Instruments

Honeywell offers a broad portfolio of data acquisition products to address most industrial recording needs. Its **Trendview paperless recorders** provide intuitive analysis tools and process visualisation, faster start-ups and lowest lifecycle costs, and reliable process monitoring and recording. Users benefit from improved efficiency and decision-making, consistently superior product quality and regulatory compliance. These also include **actuators, analytical instruments and sensors, recorders and controllers and programmers**.

Wireless Solutions

Our Smartline Wireless Transmitters are the latest evolution of our wireless transmitter offerings. These transmitters interoperate seamlessly in existing wireless networks where XYR 6000 transmitters are currently installed.

WATER METERING

HONEYWELL ELSTER

Elster Water is a world leader in providing innovative **water metering solutions**, including **low flow and leakage detection applications**. Elster manufactures water meters for utility, commercial and domestic use and offers a complete water metering portfolio including solutions for **revenue metering, cost allocation, network monitoring, distribution, radio reading, smart metering systems and industrial applications**.

CraigCor Distribution partnered with Elster Honeywell for their technologically advanced need product offering and exceptional reputation in water metering solutions. Elster Honeywell offers accurate, reliable, and durable water meters that meet and exceed industry standards. With a comprehensive portfolio, including **smart metering systems** and innovative polymer meter boxes, Honeywell Elster enables us to provide tailored solutions to our customers.

Their commitment to continuous research and development ensures we can offer **state-of-the-art metering solutions that optimise water distribution and management**.

PROUD CHANNEL PARTNERS FOR ELSTER KENT WATER METERING & DISTRIBUTION



Landis+Gyr+
manage energy better

ELECTRICITY METERING

LANDIS+GYR

For more than 125 years, Landis+Gyr has been a **global industry leader in energy management solutions**. Using our advanced metering infrastructure and other cutting-edge smart grid technologies, we've helped utility companies all over the globe improve their operations, protect their assets, lower their operating costs and provide better customer service. With a focus on quality, reliability, and innovation Landis+Gyr's portfolio of products and services can help you do the same and modernise your smart grid for the future.

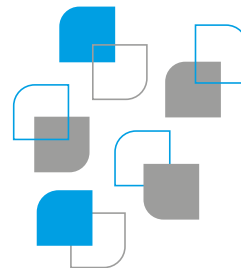
Today, Landis+Gyr's integrated products and services are paving the way for the next generation of energy management solutions. For instance – **smart grid applications**, demand-management technologies, data analytics, and renewables integration – a comprehensive portfolio that can help both utilities and consumers realise the full potential of the smart grid.

CraigCor only partners with a small number of renowned manufacturers. We back a specific brand and do not offer competing varieties that erode our partner value. We partnered with Landis+Gyr for their **proven success in metering technology and advanced smart grid technologies**. This partnership allows us to offer clients **cutting-edge** solutions, tailored to their specific needs, and a comprehensive portfolio of products and services.

Together, we aim to improve operational efficiency and provide innovative energy management solutions.



WITH THIS PARTNERSHIP, WE ARE ABLE
TO PROVIDE OUR CLIENTS WITH A
SINGLE POINT OF CONTACT FOR ALL
THEIR ADVANCED AND SMART
METERING NEEDS.

[illegible]



INDUSTRIAL • COMMERCIAL • RESIDENTIAL
Quality Products For Every Electrical Need

WE DISTRIBUTE AND SUPPLY

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Instrumentation
Cables**



**Overhead Line
Equipment and
Conductors**



**General
Low Voltage
Products**



**Lighting
Solutions**



**Solar &
Renewable
Energy**





CRAIGCOR
DISTRIBUTION